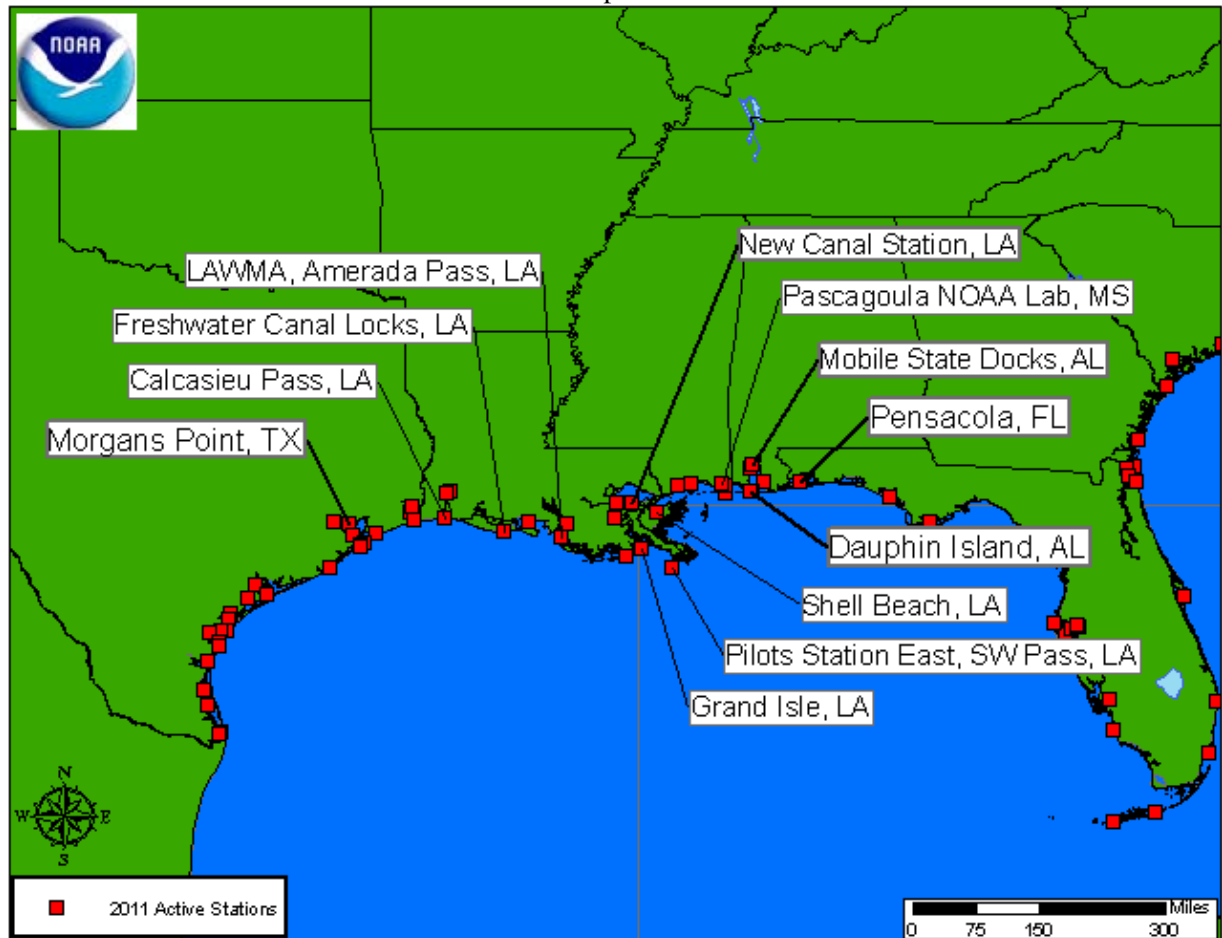




Tropical Depression LEE QuickLook  
Posted: 23:00 CDT 09/04/2011

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

As of 09/04/2011 23:00 CDT, water levels along the northern Gulf of Mexico coastline from the western Florida panhandle to central Louisiana have peaked and are slowly beginning to fall. Water levels within Lake Pontchartrain are also elevated and may be slow to recede partially due to runoff from excessive rainfall. Water level stations along the southwestern Louisiana and southeastern Texas coastlines, including Galveston Bay, remain below predicted levels.

Winds are gradually decreasing across the region. Barometric pressure has bottomed out or is rising across the region.

## Tropical Depression LEE QuickLook, POSTED 23:00 CDT 09/04/2011

Water levels in bays and associated waterways may include impacts from hydrological forces, including rainfall runoff. For additional hydrological information see [NWS Advanced Hydrologic Prediction Services](#) or [National Weather Service Forecast Office](#). Future information on this system can be found in public advisories issued by the [Hydrometeorological Prediction Center](#).

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to [Mean Lower Low Water](#) are:

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.40 m) at 09/05/2011 01:12 CDT and 1.4 ft (0.43 m) at 09/06/2011 02:11 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.47 m) at 09/05/2011 04:15 CDT and 1.5 ft (0.47 m) at 09/06/2011 05:29 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.50 m) at 09/05/2011 02:43 CDT and 1.6 ft (0.50 m) at 09/06/2011 04:24 CDT.

Shell Beach, LA: Next predicted high tides are 1.6 ft (0.49 m) at 09/05/2011 07:46 CDT and 1.6 ft (0.48 m) at 09/06/2011 08:42 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT and 0.5 ft (0.14 m) at 09/06/2011 15:37 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.7 ft (0.51 m) at 09/05/2011 03:41 CDT and 1.7 ft (0.51 m) at 09/06/2011 04:50 CDT.

Dauphin Island, AL: Next predicted high tides are 1.7 ft (0.52 m) at 09/05/2011 04:47 CDT and 1.7 ft (0.52 m) at 09/06/2011 05:58 CDT.

Mobile State Docks, AL: Next predicted high tides are 2.0 ft (0.60 m) at 09/05/2011 05:57 CDT and 1.9 ft (0.58 m) at 09/06/2011 06:52 CDT.

Pensacola, FL: Next predicted high tides are 1.8 ft (0.56 m) at 09/05/2011 05:08 CDT and 1.8 ft (0.57 m) at 09/06/2011 06:27 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.65 m) at 09/04/2011 23:17 CDT and 2.2 ft (0.66 m) at 09/06/2011 00:09 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.2 ft (0.66 m) at 09/05/2011 00:18 CDT and 1.9 ft (0.58 m) at 09/05/2011 07:36 CDT.

Morgans Point, TX: Next predicted high tides are 1.7 ft (0.51 m) at 09/05/2011 07:04 CDT and 1.7 ft (0.51 m) at 09/06/2011 08:03 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION LEE ADVISORY NUMBER 14  
1000 PM CDT SUN SEP 04 2011

...LEE WEAKENS TO A TROPICAL DEPRESSION...FLOODING RAINS EXPECTED TO SPREAD  
FROM THE CENTRAL GULF COAST TO THE APPALACHIANS...

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY...

ALL COASTAL TROPICAL STORM WARNINGS HAVE BEEN DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

NONE

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING  
POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY  
YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

-----  
AT 1000 PM CDT THE CENTER OF TROPICAL DEPRESSION LEE WAS LOCATED ABOUT 55 MI  
WSW OF MCCOMB MISSISSIPPI OR ABOUT 60 MI ESE OF ALEXANDRIA LOUISIANA. THE  
DEPRESSION IS MOVING TOWARD THE EAST-NORTHEAST NEAR 7 MPH. A TURN TOWARD  
THE NORTHEAST AND SOME INCREASE IN FORWARD SPEED ARE EXPECTED IN THE NEXT  
DAY OR SO. ON THE FORECAST TRACK...THE CENTER OF LEE WILL MOVE ACROSS  
SOUTHERN MISSISSIPPI OVERNIGHT AND MONDAY.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 35 MPH WITH HIGHER  
GUSTS...AND THESE STRONGEST WINDS ARE LOCATED WELL TO THE SOUTH AND  
SOUTHEAST OF THE CENTER OVER WATER. LITTLE CHANGE IN STRENGTH IS EXPECTED IN  
THE NEXT DAY OR SO AS LEE BECOMES AN EXTRATROPICAL CYCLONE.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON SURFACE OBSERVATIONS IS 990  
MB.

HAZARDS AFFECTING LAND

-----  
RAINFALL...LEE IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15  
INCHES ACROSS THE CENTRAL GULF COAST REGION...WITH POSSIBLE ISOLATED MAXIMUM  
AMOUNTS OF 20 INCHES THROUGH TUESDAY. HEAVY RAINS WILL CONTINUE TO EXPAND  
NORTHEASTWARD INTO THE TENNESSEE VALLEY AND SOUTHERN APPALACHIAN  
MOUNTAINS THROUGH TUESDAY WITH RAINFALL AMOUNTS OF 4 TO 8 INCHES  
EXPECTED...WITH ISOLATED AMOUNTS OF 10 INCHES POSSIBLE. THESE RAINS ARE  
EXPECTED TO CAUSE EXTENSIVE FLOODING AND FLASH FLOODING.

STORM SURGE...ELEVATED WATER LEVELS WILL BE SLOW TO RECEDE ALONG THE GULF

COAST FROM LOUISIANA TO THE FLORIDA PANHANDLE DUE TO PERSISTENT ONSHORE WINDS. PLEASE SEE PRODUCTS FROM YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE FOR LOCATION-SPECIFIC STORM TIDE AND STORM SURGE INFORMATION.

TORNADOES...A FEW TORNADOES ARE POSSIBLE OVERNIGHT AND MONDAY OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...THE FLORIDA PANHANDLE...AND EXTREME SOUTHWESTERN GEORGIA.

NEXT ADVISORY

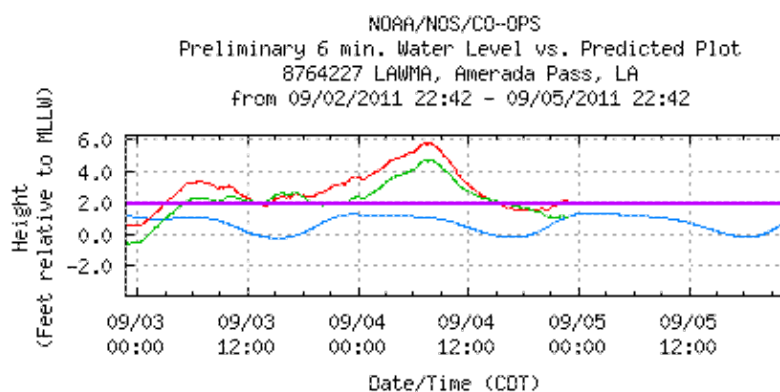
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THIS IS THE LAST PUBLIC ADVISORY ISSUED BY THE NATIONAL HURRICANE CENTER ON LEE. FUTURE INFORMATION ON LEE CAN BE FOUND IN PUBLIC ADVISORIES ISSUED BY THE HYDROMETEOROLOGICAL PREDICTION CENTER...UNDER AWIPS HEADER TCPAT3 AND WMO HEADER WTNT33 KWNH...BEGINNING AT 400 AM CDT 09/05/2011.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Barometric](#), [Mobile State Docks - Water Level](#), [Mobile State Docks - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Freshwater Canal Locks - Barometric](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Morgans Point - Water Level](#), [Morgans Point - Barometric](#),

[LAWMA, Amerada Pass, LA - Return to List](#)



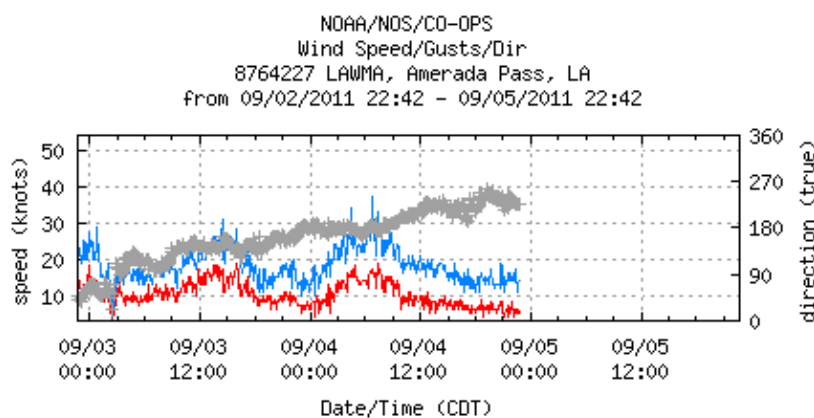
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/04/2011 22:42 (CDT)

Relative to MLLW: **Observed: 2.14 ft.** **Predicted: 1.09 ft.** **Residual: 1.05 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

[LAWMA, Amerada Pass, LA - Return to List](#)

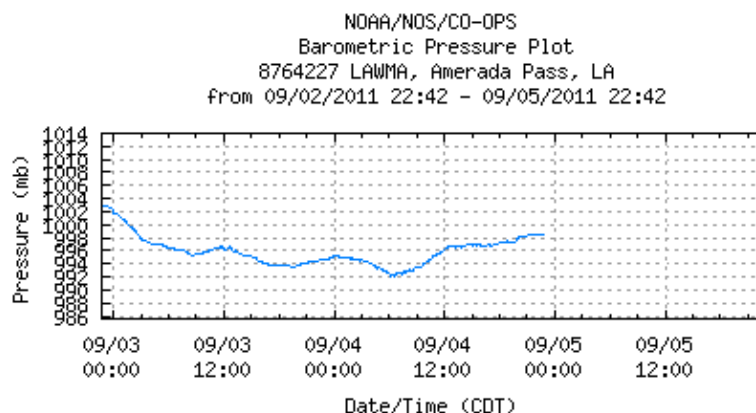


speed — gusts — direction +

Last Observed Sample: 09/04/2011 22:42 (CDT)

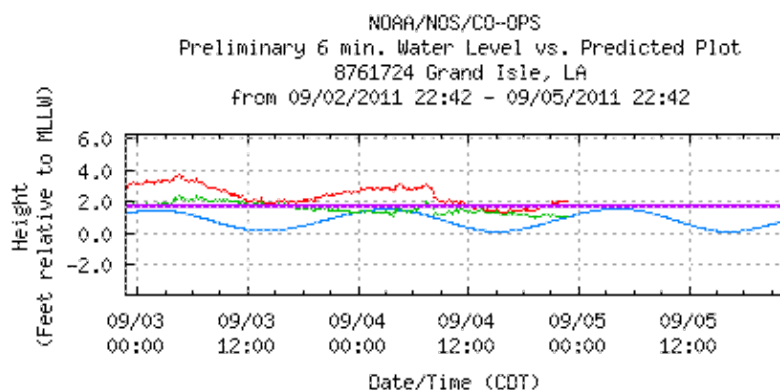
**Wind Speed: 5 knots** **Gusts: 14 knots** **Direction: 226° T**

LAWMA, Amerada Pass, LA - Return to List



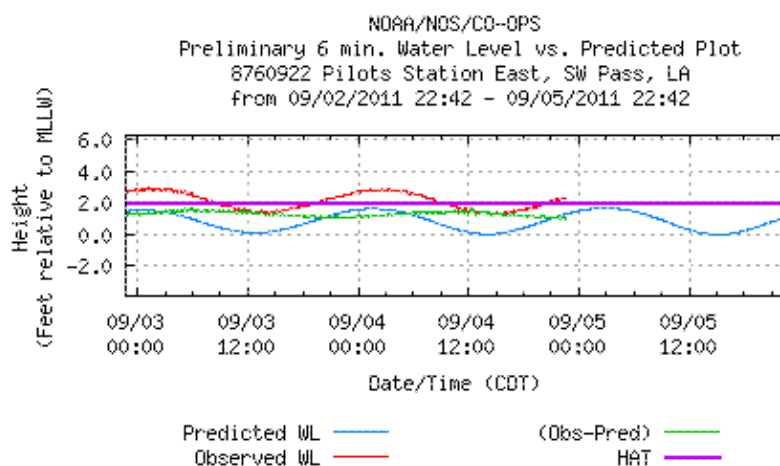
barometric pressure —  
Last Observed Sample: 09/04/2011 22:42 (CDT)  
Barometric Pressure: 998.4 mb

Grand Isle, LA - Return to List



Predicted WL — (Obs-Pred) —  
Observed WL — HAT —  
Last Observed Sample: 09/04/2011 22:42 (CDT)  
Relative to MLLW: **Observed: 2.03 ft. Predicted: 1.02 ft. Residual: 1.01 ft.**  
Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

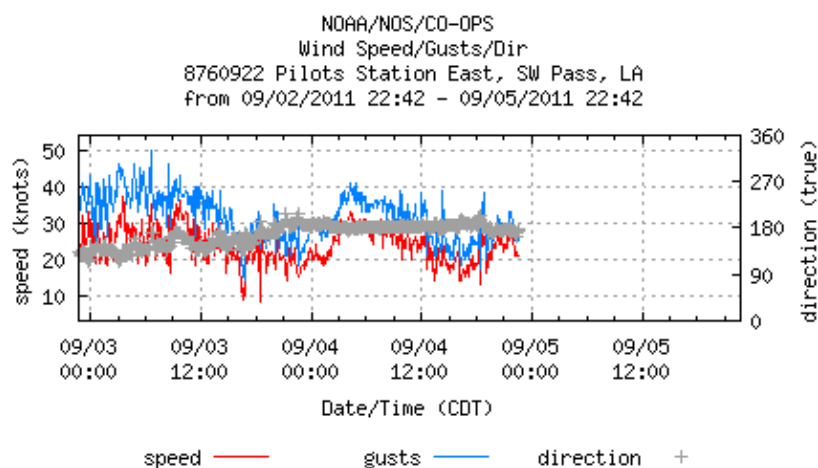


Last Observed Sample: 09/04/2011 22:36 (CDT)

Relative to MLLW: **Observed: 2.27 ft.** **Predicted: 1.28 ft.** **Residual: 0.99 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

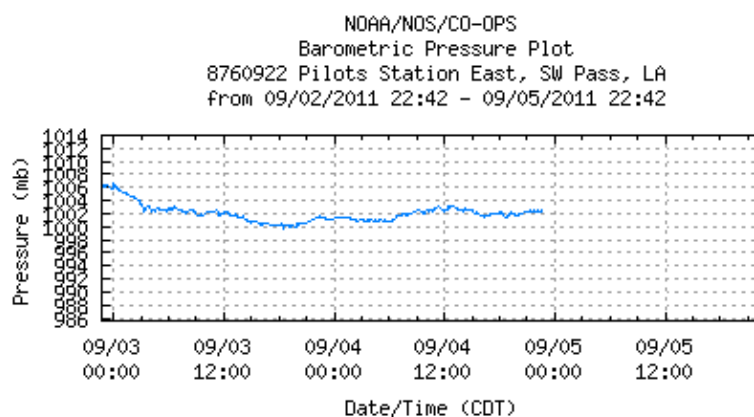
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 09/04/2011 22:36 (CDT)

**Wind Speed: 21 knots** **Gusts: 26 knots** **Direction: 176° T**

Pilots Station East, SW Pass, LA - Return to List

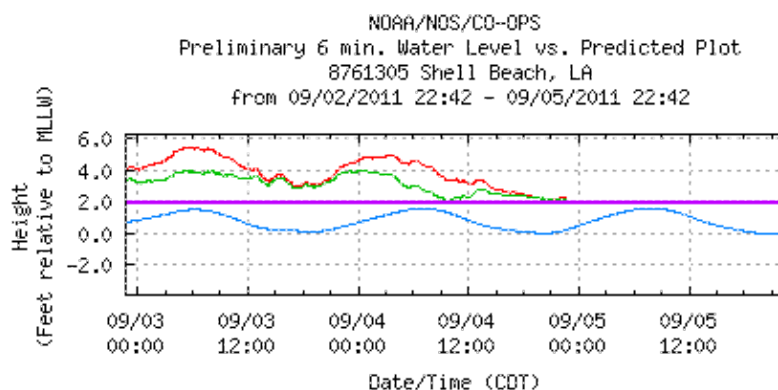


barometric pressure —

Last Observed Sample: 09/04/2011 22:36 (CDT)

Barometric Pressure: 1002.5 mb

Shell Beach, LA - Return to List



Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

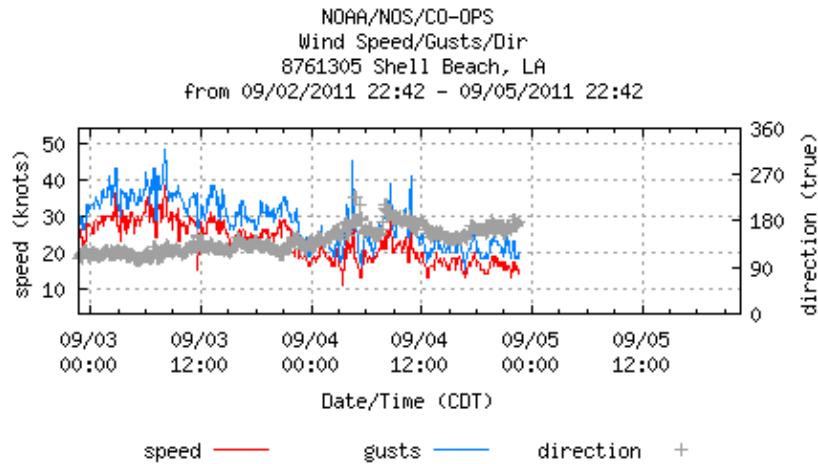
Last Observed Sample: 09/04/2011 22:36 (CDT)

Relative to MLLW: **Observed: 2.32 ft.** **Predicted: 0.21 ft.** **Residual: 2.11 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

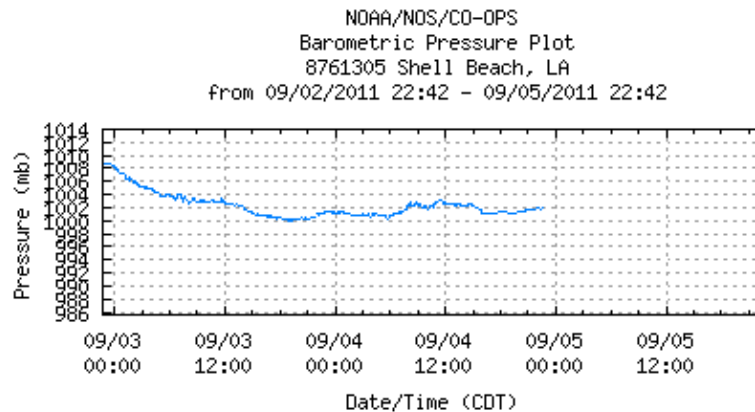


Shell Beach, LA - Return to List



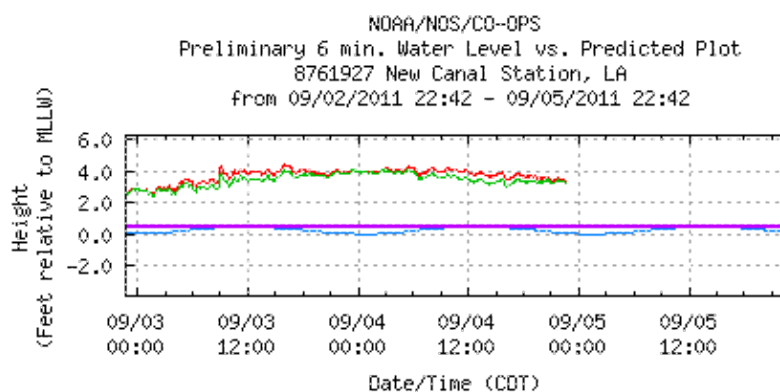
Last Observed Sample: 09/04/2011 22:36 (CDT)  
Wind Speed: 15 knots Gusts: 20 knots Direction: 179° T

Shell Beach, LA - Return to List



Last Observed Sample: 09/04/2011 22:36 (CDT)  
Barometric Pressure: 1002.0 mb

New Canal Station, LA - Return to List



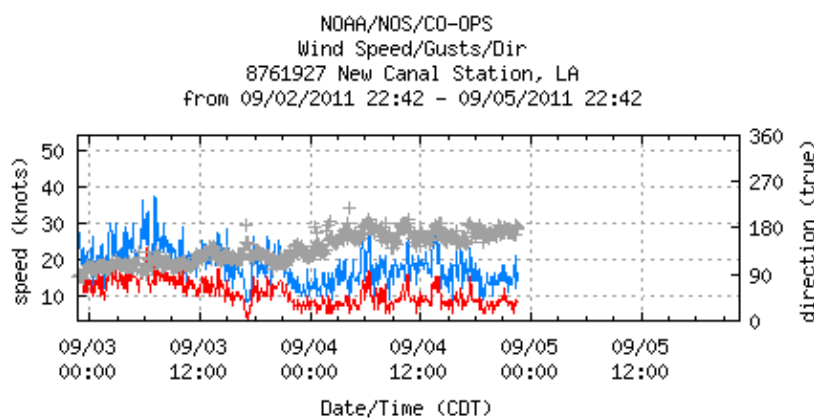
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/04/2011 22:36 (CDT)

Relative to MLLW: **Observed: 3.36 ft.** **Predicted: 0.09 ft.** **Residual: 3.27 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

New Canal Station, LA - Return to List

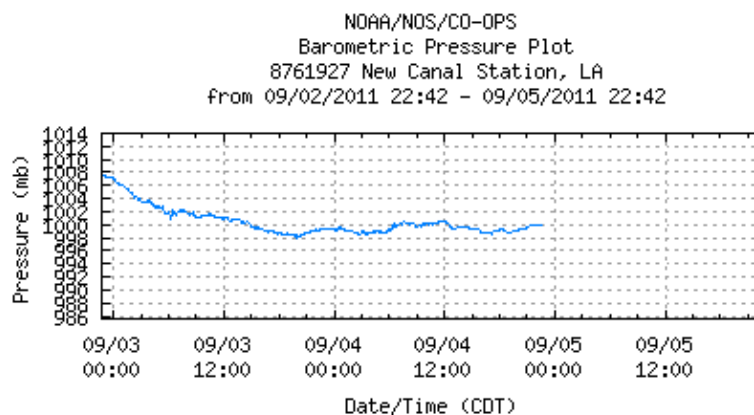


speed — gusts — direction +

Last Observed Sample: 09/04/2011 22:36 (CDT)

**Wind Speed: 8 knots** **Gusts: 16 knots** **Direction: 181° T**

New Canal Station, LA - Return to List

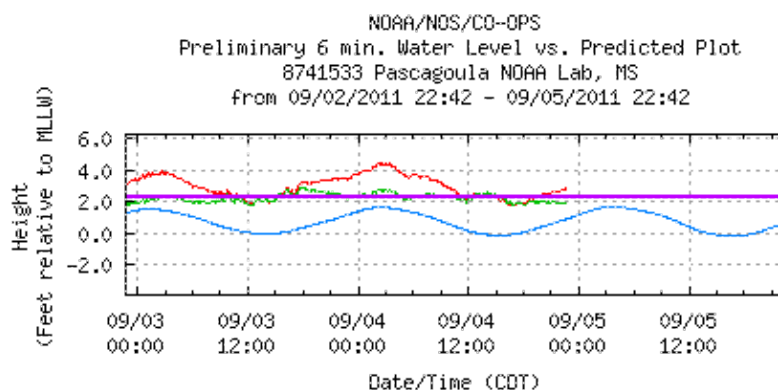


barometric pressure —

Last Observed Sample: 09/04/2011 22:36 (CDT)

Barometric Pressure: 999.9 mb

Pascagoula NOAA Lab, MS - Return to List



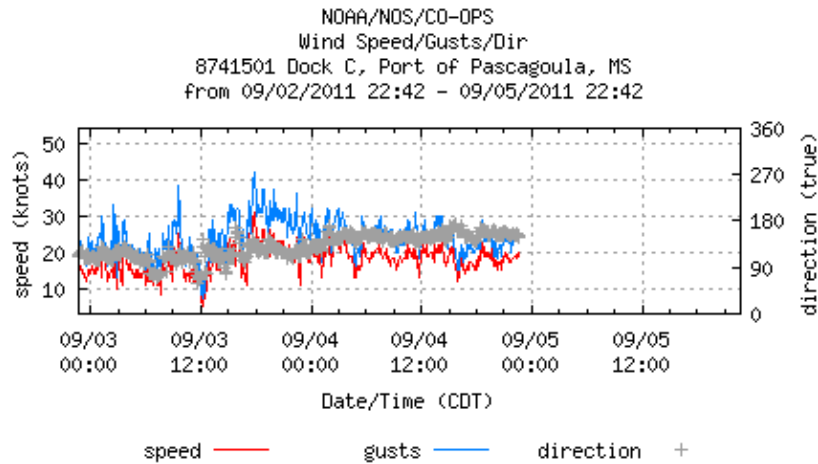
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/04/2011 22:36 (CDT)

Relative to MLLW: **Observed: 2.84 ft.** **Predicted: 0.89 ft.** **Residual: 1.95 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

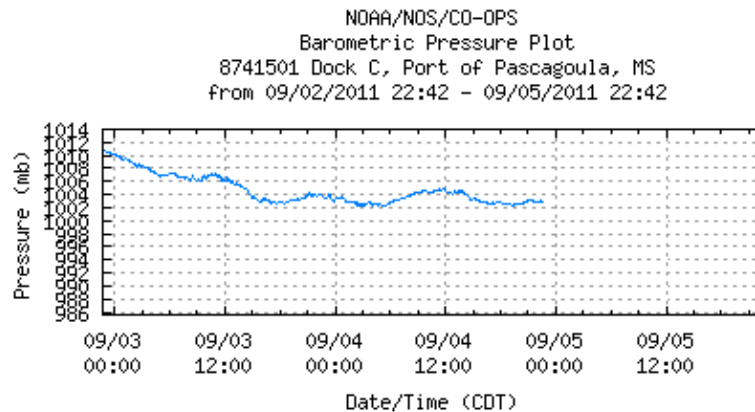
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 09/04/2011 22:36 (CDT)

Wind Speed: 19 knots Gusts: 26 knots Direction: 148° T

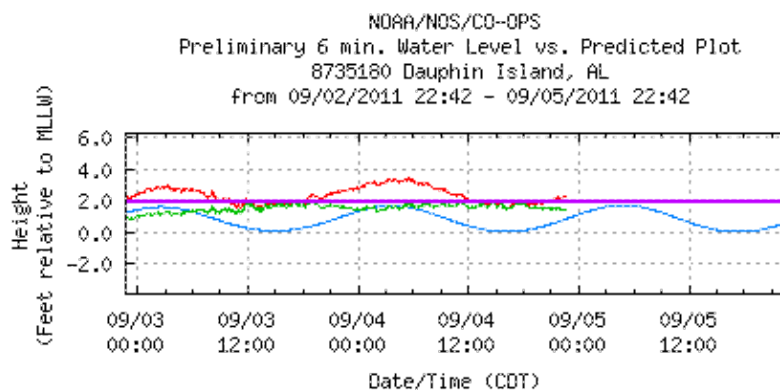
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 09/04/2011 22:36 (CDT)

Barometric Pressure: 1003.0 mb

Dauphin Island, AL - Return to List



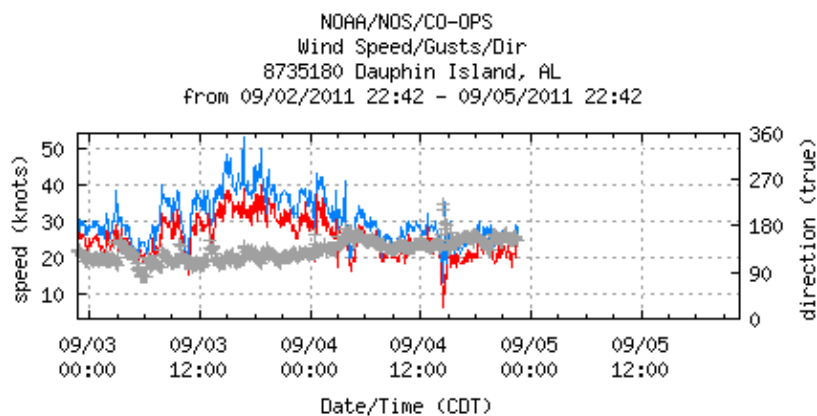
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/04/2011 22:30 (CDT)

Relative to MLLW: **Observed: 2.21 ft.** **Predicted: 0.81 ft.** **Residual: 1.40 ft.**

Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

Dauphin Island, AL - Return to List

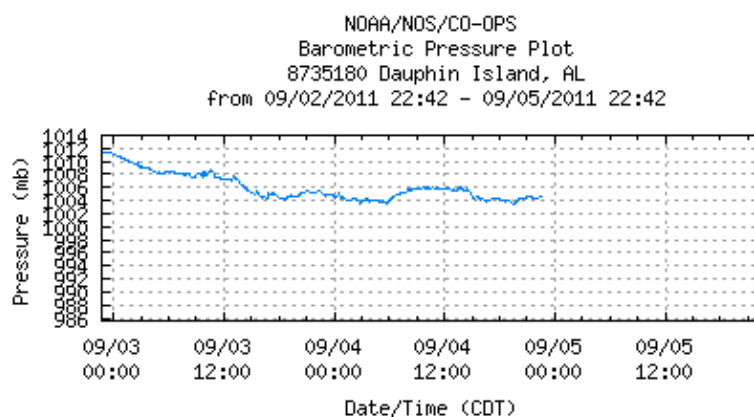


speed — gusts — direction +

Last Observed Sample: 09/04/2011 22:36 (CDT)

**Wind Speed: 23 knots** **Gusts: 24 knots** **Direction: 154° T**

Dauphin Island, AL - Return to List

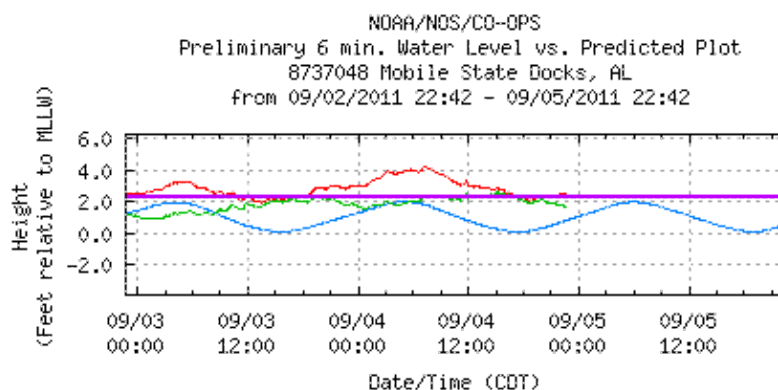


barometric pressure —

Last Observed Sample: 09/04/2011 22:36 (CDT)

Barometric Pressure: 1004.7 mb

Mobile State Docks, AL - Return to List



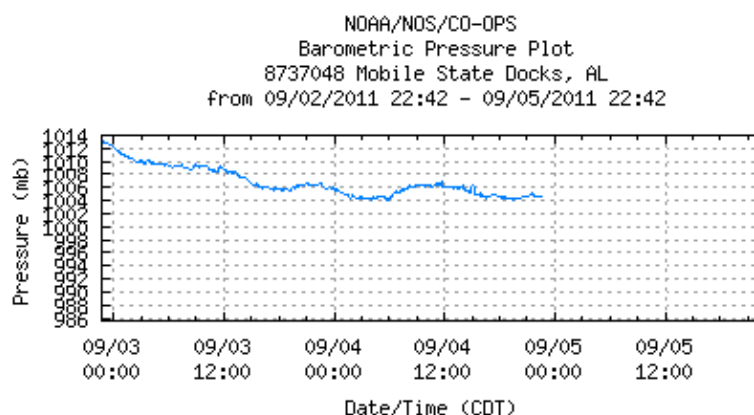
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/04/2011 22:30 (CDT)

Relative to MLLW: **Observed: 2.49 ft.** **Predicted: 0.79 ft.** **Residual: 1.70 ft.**

Historical Maximum Water Level: Sep 26 2002, 3.64 ft. above MHHW

Mobile State Docks, AL - Return to List

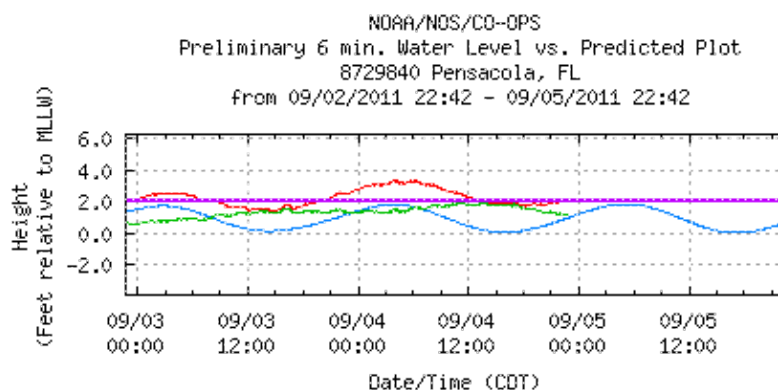


barometric pressure —

Last Observed Sample: 09/04/2011 22:30 (CDT)

Barometric Pressure: 1004.6 mb

Pensacola, FL - Return to List



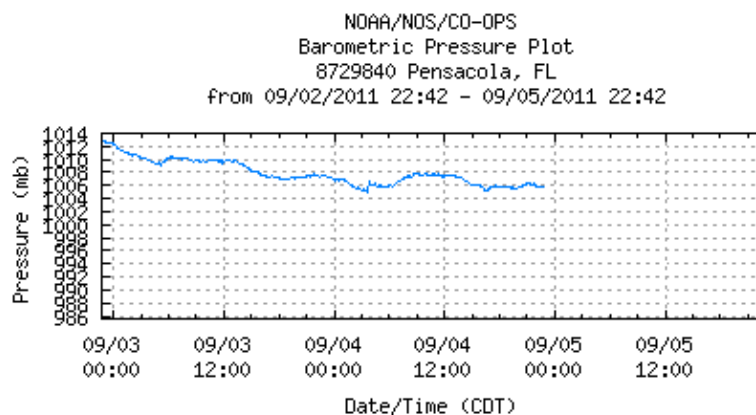
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/04/2011 22:42 (CDT)

Relative to MLLW: **Observed: 2.08 ft.** **Predicted: 0.95 ft.** **Residual: 1.13 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

Pensacola, FL - Return to List

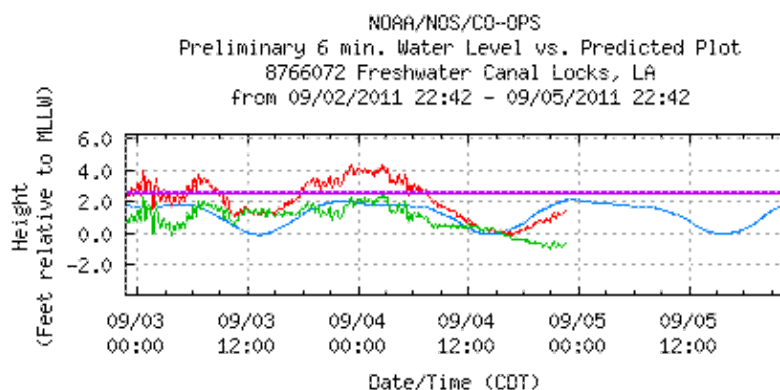


barometric pressure —

Last Observed Sample: 09/04/2011 22:42 (CDT)

Barometric Pressure: 1005.9 mb

Freshwater Canal Locks, LA - Return to List



Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

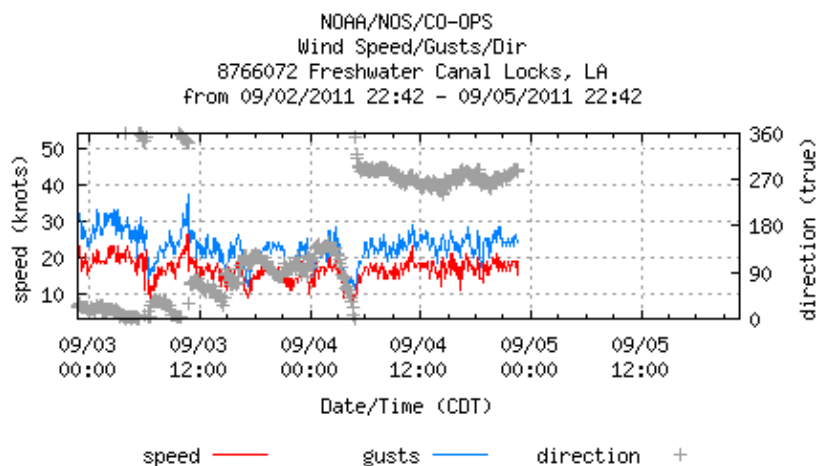
Last Observed Sample: 09/04/2011 22:36 (CDT)

Relative to MLLW: **Observed: 1.43 ft. Predicted: 2.09 ft. Residual: -0.66 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW



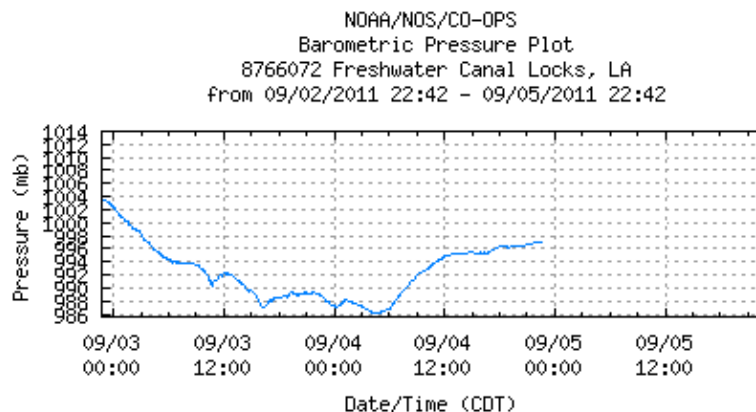
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/04/2011 22:36 (CDT)

Wind Speed: 15 knots Gusts: 24 knots Direction: 289° T

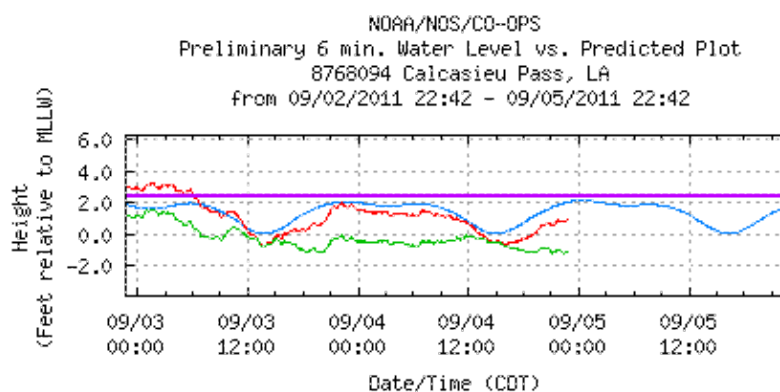
Freshwater Canal Locks, LA - Return to List



Last Observed Sample: 09/04/2011 22:36 (CDT)

Barometric Pressure: 997.1 mb

Calcasieu Pass, LA - Return to List



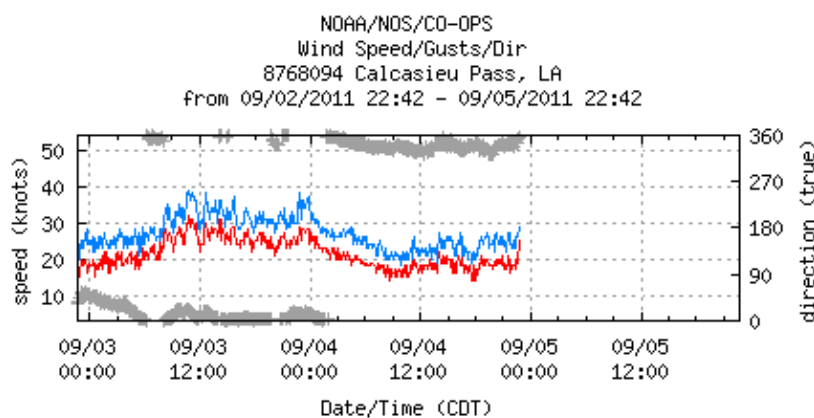
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/04/2011 22:42 (CDT)

Relative to MLLW: **Observed: 0.90 ft.** **Predicted: 2.02 ft.** **Residual: -1.12 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List

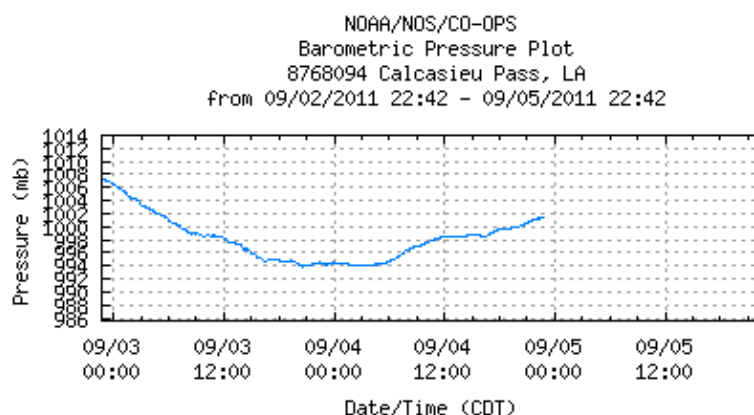


speed — gusts — direction +

Last Observed Sample: 09/04/2011 22:42 (CDT)

**Wind Speed: 25 knots** **Gusts: 29 knots** **Direction: 357° T**

Calcasieu Pass, LA - Return to List

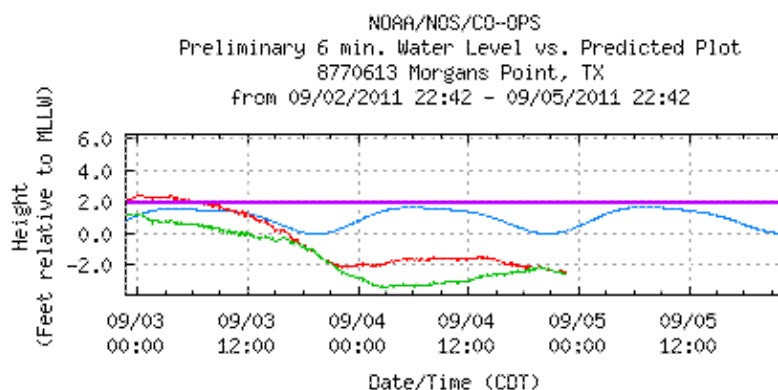


barometric pressure —

Last Observed Sample: 09/04/2011 22:42 (CDT)

Barometric Pressure: 1001.3 mb

Morgans Point, TX - Return to List



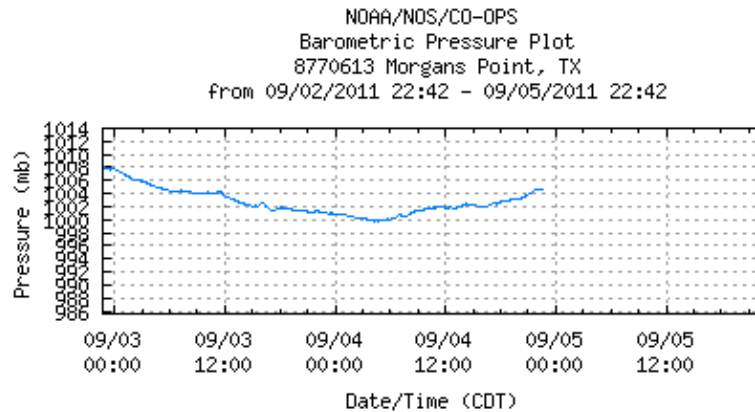
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/04/2011 22:30 (CDT)

Relative to MLLW: **Observed: -2.43 ft.** **Predicted: 0.13 ft.** **Residual: -2.56 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.19 ft. above MHHW

Morgans Point, TX - Return to List



barometric pressure —

Last Observed Sample: 09/04/2011 22:30 (CDT)

Barometric Pressure: 1004.6 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce